

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: August 19, 2003, 18:05:44 ; Search time 1495 Seconds  
(without alignments) 547.286 Million cell updates/sec

Title: US-09-758-881-115  
Perfect score: 20  
Sequence: 1 gctccagcatctgtctgtc 20

Scoring table: IDENTITY\_NUC  
Gapop 10 0 , Gapext 1.0

Searched: 2888711 seqs, 20454813386 residues

Total number of hits satisfying chosen parameters: 1010434

Minimum DB seq length: 0  
Maximum DB seq length: 30

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : GenBank:\*

1: gb\_ba:\*

2: gb\_htg:\*

3: gb\_in:\*

4: gb\_om:\*

5: gb\_ov:\*

6: gb\_pat:\*

7: gb\_ph:\*

8: gb\_pl:\*

9: gb\_pr:\*

10: gb\_ro:\*

11: gb\_sts:\*

12: gb\_sy:\*

13: gb\_un:\*

14: gb\_vi:\*

15: em\_ba:\*

16: em\_fun:\*

17: em\_hum:\*

18: em\_in:\*

19: em\_mu:\*

20: em\_om:\*

21: em\_or:\*

22: em\_ov:\*

23: em\_pat:\*

24: em\_ph:\*

25: em\_pl:\*

26: em\_ro:\*

27: em\_sts:\*

28: em\_un:\*

29: em\_vi:\*

30: em\_htg\_hum:\*

31: em\_htg\_inv:\*

32: em\_htg\_other:\*

33: em\_htg\_mus:\*

34: em\_htg\_pln:\*

35: em\_htg\_rod:\*

36: em\_htg\_mam:\*

37: em\_htg\_vrt:\*

38: em\_sy:\*

39: em\_htgo\_hum:\*

40: em\_htgo\_mus:\*

41: em\_htgo\_other:\*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18.4	92.0	20	6	ARI21066 Sequence
2	18	90.0	20	6	ARI21002 Sequence
3	15.8	79.0	25	6	AX689133 Sequence
4	15.8	79.0	25	6	AX689134 Sequence
5	15.8	79.0	25	6	AX689135 Sequence
6	15.8	79.0	25	6	AX689136 Sequence
7	15.8	79.0	25	6	AX689137 Sequence
8	15.8	79.0	25	6	AX689138 Sequence
9	15.8	79.0	25	6	AX689139 Sequence
10	14.8	74.0	25	6	AX689132 Sequence
11	14.8	74.0	25	6	AX689140 Sequence
12	14.2	71.0	25	6	AR282672 Sequence
13	14.2	71.0	25	6	AX691104 Sequence
14	14.2	71.0	25	6	AX691105 Sequence
15	14.2	71.0	25	6	AX691106 Sequence
16	14.2	71.0	25	6	AX691107 Sequence
17	14.2	71.0	25	6	AX691108 Sequence
18	14.2	71.0	25	6	AX691109 Sequence
19	14.2	71.0	25	6	AX691110 Sequence
20	14.2	71.0	26	6	BD107274 Nucleic a
21	13.8	69.0	17	6	AX687634 Sequence
22	13.8	69.0	17	6	AX687635 Sequence
23	13.8	69.0	17	6	AX687636 Sequence
24	13.8	69.0	20	6	AX700803 Sequence
25	13.8	69.0	21	11	DOGINSB
26	13.8	69.0	23	6	A25721
27	13.8	69.0	23	6	AR051393 Sequence
28	13.8	69.0	24	6	AX020527 Sequence
29	13.8	69.0	25	6	AX689131 Sequence
30	13.8	69.0	25	6	AX689141 Sequence
31	13.6	68.0	24	6	ARI83098 Sequence
32	13.6	68.0	24	6	AX207124 Sequence
33	13.6	68.0	25	6	AX689148 Sequence
34	13.6	68.0	25	6	AX689149 Sequence
35	13.6	68.0	25	6	AX689150 Sequence
36	13.6	68.0	25	6	AX689151 Sequence
37	13.6	68.0	25	6	AX689152 Sequence
38	13.6	68.0	25	6	AX689153 Sequence
39	13.6	68.0	30	6	AX000467 Sequence
40	13.4	67.0	17	6	AX687637 Sequence
41	13.4	67.0	17	6	AX687638 Sequence
42	13.4	67.0	20	6	AR307962 Sequence
43	13.4	67.0	20	6	AR307963 Sequence
44	13.4	67.0	21	6	AX154287 Sequence
45	13.4	67.0	25	6	AX689142 Sequence

ALIGNMENTS

RESULT 1

LOCUS ARI21066 20 bp DNA linear PAT 16-MAY-2001

DEFINITION Sequence 87 from patent US 6159694.

ACCESSION ARI21066

VERSION ARI21066.1 GI:14104642

KEYWORDS

SOURCE Unknown.

ORGANISM Unknown.

REFERENCE 1 (bases 1 to 20)

AUTHORS Karras,J.G.

TITLE Antisense modulation of stat3 expression

JOURNAL Patent: US 6159694-A 87 12-DEC-2000;

FEATURES Location/Qualifiers

Source 1. .20  
/organism-"unknown"  
BASE COUNT 3 a 8 c 3 g 6 t  
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Best Local Similarity 95.0%; Pred. No. 8 5e+02;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1 GCTCCACATCTGCTGCTTC 20

RESULT 2  
AR121002 20 bp DNA linear PAT 16-MAY-2001  
LOCUS AR121002  
DEFINITION Sequence 23 from patent US 6159694.  
ACCESSION AR121002  
VERSION AR121002.1 GI:14104578  
KEYWORDS  
SOURCE  
ORGANISM  
REFERENCE  
AUTHORS  
TITLE  
JOURNAL  
FEATURES  
Source 1. .20  
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Query Match 90.0%; Score 18; DB 6; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.3e+03;  
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCT 18  
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Db 3 GCTCCAGCATCTGCTGCT 20

RESULT 3  
AX689133/c 25 bp DNA linear PAT 31-MAR-2003  
LOCUS AX689133  
DEFINITION Sequence 1865 from Patent EP1281758.  
ACCESSION AX689133  
VERSION AX689133.1 GI:29411839  
KEYWORDS  
SOURCE  
ORGANISM  
REFERENCE  
AUTHORS  
TITLE  
JOURNAL  
FEATURES  
Source 1. .25  
/organism-"Homo sapiens"  
/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"

Shannon, M., Gu, Y. and Nguyen, C. T.  
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
Patent: EP 1281758-A 1865 05-FEB-2003;  
Aeomica, Inc. (US)  
Location/Qualifiers  
1. .25

BASE COUNT 8 a 8 c 7 g 2 t  
ORIGIN

Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTT 19

Db 25 GCTCCAGCATCTGCTCCTT 7  
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RESULT 4  
AX689134/c 25 bp DNA linear PAT 31-MAR-2003  
LOCUS AX689134  
DEFINITION Sequence 1866 from Patent EP1281758.  
ACCESSION AX689134  
VERSION AX689134.1 GI:29411840  
KEYWORDS  
SOURCE  
ORGANISM  
REFERENCE  
AUTHORS  
TITLE  
JOURNAL  
FEATURES  
Source 1. .25  
/organism-"Homo sapiens"  
/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"

Shannon, M., Gu, Y. and Nguyen, C. T.  
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
Patent: EP 1281758-A 1866 05-FEB-2003;  
Aeomica, Inc. (US)  
Location/Qualifiers  
1. .25

BASE COUNT 8 a 7 c 7 g 3 t  
ORIGIN

Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTT 19  
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Db 24 GCTCCAGCATCTGCTCCTT 6

RESULT 5  
AX689135/c 25 bp DNA linear PAT 31-MAR-2003  
LOCUS AX689135  
DEFINITION Sequence 1867 from Patent EP1281758.  
ACCESSION AX689135  
VERSION AX689135.1 GI:29411841  
KEYWORDS  
SOURCE  
ORGANISM  
REFERENCE  
AUTHORS  
TITLE  
JOURNAL  
FEATURES  
Source 1. .25  
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/db\_xref="taxon:9606"

Shannon, M., Gu, Y. and Nguyen, C. T.  
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
Patent: EP 1281758-A 1867 05-FEB-2003;  
Aeomica, Inc. (US)  
Location/Qualifiers  
1. .25

BASE COUNT 7 a 7 c 8 g 3 t  
ORIGIN

Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTT 19  
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Db 23 GCTCCAGCATCTGCTCCTT 5

RESULT 6

AX689136/c  
LOCUS AX689136 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 1868 from Patent EP1281758.  
ACCESSION AX689136  
VERSION AX689136.1 GI:29411842  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 1868 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES  
source 1..25  
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BASE COUNT 7 a 7 c 8 g 3 t  
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Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCTCCAGCATCTGCTCTT 19  
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Db 22 GCTCCAGCATCTGCTCTT 4

RESULT 7  
AX689137/c  
LOCUS AX689137 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 1869 from Patent EP1281758.  
ACCESSION AX689137  
VERSION AX689137.1 GI:29411843  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 1869 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES  
source 1..25  
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BASE COUNT 6 a 7 c 8 g 4 t  
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Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCTCCAGCATCTGCTCTT 19  
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Db 21 GCTCCAGCATCTGCTCTT 3

RESULT 8  
AX689138/c  
LOCUS AX689138 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 1870 from Patent EP1281758.  
ACCESSION AX689138  
VERSION AX689138.1 GI:29411844

KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 1870 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES  
source 1..25  
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BASE COUNT 6 a 6 c 9 g 4 t  
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Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCTCCAGCATCTGCTCTT 19  
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Db 20 GCTCCAGCATCTGCTCTT 2

RESULT 9  
AX689139/c  
LOCUS AX689139 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 1871 from Patent EP1281758.  
ACCESSION AX689139  
VERSION AX689139.1 GI:29411845  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 1871 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES  
source 1..25  
/organism="Homo sapiens"  
/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"  
BASE COUNT 6 a 5 c 10 g 4 t  
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Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCTCCAGCATCTGCTCTT 19  
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Db 19 GCTCCAGCATCTGCTCTT 1

RESULT 10  
AX689132/c  
LOCUS AX689132 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 1864 from Patent EP1281758.  
ACCESSION AX689132  
VERSION AX689132.1 GI:29411838  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 1871 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES  
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/db\_xref="taxon:9606"  
BASE COUNT 6 a 5 c 10 g 4 t  
ORIGIN  
Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCTCCAGCATCTGCTCTT 19  
||||| ||||| |||  
Db 19 GCTCCAGCATCTGCTCTT 1

RESULT 10  
AX689132/c  
LOCUS AX689132 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 1864 from Patent EP1281758.  
ACCESSION AX689132  
VERSION AX689132.1 GI:29411838  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 1871 05-FEB-2003;  
Aeomica, Inc. (US)  
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ORIGIN  
Query Match 79.0%; Score 15.8; DB 6; Length 25;  
Best Local Similarity 89.5%; Pred. No. 1.4e+04;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 GCTCCAGCATCTGCTCTT 19  
||||| ||||| |||  
Db 19 GCTCCAGCATCTGCTCTT 1

REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 1864 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES Location/Qualifiers  
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/db\_xref="taxon:9606"  
BASE COUNT 8 a 7 c 8 g 2 t  
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Best Local Similarity 88.9%; Pred. No. 4.1e+04;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 CTCACGATCTGCTGCTT 19  
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Db 25 CTCACGATCTGCTGCTT 8

RESULT 11  
AX689140/c  
LOCUS AX689140 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 1872 from Patent EP1281758.  
ACCESSION AX689140  
VERSION AX689140.1 GI:29411846  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 1872 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES Location/Qualifiers  
source 1..25  
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/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"  
BASE COUNT 5 a 5 c 10 g 5 t  
ORIGIN

Query Match 74.0%; Score 14.8; DB 6; Length 25;  
Best Local Similarity 88.9%; Pred. No. 4.1e+04;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCT 18  
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Db 18 GCTCCAGCATCTGCTGCT 1

RESULT 12  
AR282672 25 bp DNA linear PAT 10-APR-2003  
LOCUS AR282672  
DEFINITION Sequence 17 from patent US 6521749.  
ACCESSION AR282672  
VERSION AR282672.1 GI:29719282  
KEYWORDS  
SOURCE Unknown.  
ORGANISM Unknown.  
REFERENCE 1 (bases 1 to 25)  
AUTHORS Ling,V. and Dunussi-Joannopoulos,K.  
TITLE Gl50 nucleic acids and uses therefor  
JOURNAL Patent: US 6521749-A 17 18-FEB-2003;  
FEATURES Location/Qualifiers  
source 1..25

BASE COUNT 3 a 12 c 6 g 4 t  
ORIGIN /organism="unknown"

Query Match 71.0%; Score 14.2; DB 6; Length 25;  
Best Local Similarity 84.2%; Pred. No. 7.9e+04;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 CTCACGATCTGCTGCTTC 20  
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Db 6 CCCAGAACCTGCTGCTTC 24

RESULT 13  
AX691104/c  
LOCUS AX691104 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 3836 from Patent EP1281758.  
ACCESSION AX691104  
VERSION AX691104.1 GI:29414037  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 3836 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES Location/Qualifiers  
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/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"  
BASE COUNT 9 a 8 c 6 g 2 t  
ORIGIN

Query Match 71.0%; Score 14.2; DB 6; Length 25;  
Best Local Similarity 84.2%; Pred. No. 7.9e+04;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTGCTT 19  
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Db 25 GCTCCAGCATCTGCTGCTT 7

RESULT 14  
AX691105/c  
LOCUS AX691105 25 bp DNA linear PAT 31-MAR-2003  
DEFINITION Sequence 3837 from Patent EP1281758.  
ACCESSION AX691105  
VERSION AX691105.1 GI:29414038  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens  
REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and mdz12  
JOURNAL Patent: EP 1281758-A 3837 05-FEB-2003;  
Aeomica, Inc. (US)  
FEATURES Location/Qualifiers  
source 1..25  
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/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"  
BASE COUNT 9 a 7 c 6 g 3 t  
ORIGIN

Query Match 71.0%; Score 14.2; DB 6; Length 25;

Best Local Similarity 84.2%; Pred. NO. 7.9e+04;  
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCTCCAGCATCTGCTCT 19  
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Db 24 GCTCTAGGATCTGCTCCT 6

RESULT 15  
AX691106/c AX691106 25 bp DNA linear PAT 31-MAR-2003

LOCUS Sequence 3838 from Patent EP1281758.

DEFINITION AX691106  
ACCESSION AX691106  
VERSION AX691106.1 GI:29414039

KEYWORDS  
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1  
AUTHORS Shannon,M., Gu,Y. and Nguyen,C.T.  
TITLE Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and  
mdz12

JOURNAL Patent: EP 1281758-A 3838 05-FEB-2003;  
Aeomica, Inc. (US)

FEATURES  
source 1..25  
Location/Qualifiers

BASE COUNT 8 a 7 c 7 g 3 t  
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/mol\_type="genomic DNA"  
/db\_xref="taxon:9606"

Query Match 71 0%; Score 14.2; DB 6; Length 25;  
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Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Search completed: August 19, 2003, 20:47:15  
Job time : 1497 secs

1

2